

Product datasheet for **RN205058**

Eef1a1 (NM_175838) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Eef1a1 (NM_175838) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Eef1a1 |
| Synonyms: | EEF-1; EEF1A; Eef1a2; Eef1a2l1; EF1A; SI |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN205058 representing NM_175838
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAAAGGAAAAGACTCACATCAACATCGTCGTAATTGGACACGTAGATTCCGGCAAGTCCACCACAA
 CCGGCCACCTGATCTACAAATGGTGGAAATCGACAAAAGAACCATTGAAAAGTTTGAGAAGGAGGCTGC
 GGAGATGGGAAAAGGCTCCTTCAAGTATGCCTGGGTCCTGGACAAACTGAAAGCTGAGCGTGAGCGTGTT
 ATCACTATTGACATCTCCCTGTGGAAGTTTGAGACCAGCAAGTACTATGTGACTATCATTGATGCCCCAG
 GACACAGAGACTTCATCAAGAACATGATTACGGGCACATCTCAGGCTGACTGCGTGTCTGATTGTTGC
 TGCTGGTGTGGGGAATTTGAAGCTGGTATCTCCAAGAACGGGCAGACCCGTGAGCATGCTCTTCTGGCT
 TACACTTTGGGTGTGAACAGCTAATTGTTGGTGTCAACAAAATGGATTCCACCGAGCCACCATACAGTC
 AGAAGAGATACGAGGAAATCGTTAAGGAAGTCAGCACCTACATTAAGAAAATTGGCTACAACCCTGACAC
 AGTAGCATTTGTCCAATTTCTGGTTGGAATGGTGACAACATGCTGGAGCCAAGTCTAATATGCCGTGG
 TTCAAGGGATGGAAAGTCACCCGCAAAGATGGCAGTGCCAGTGGCACCACGCTGCTGGAAGCTTTGGACT
 GCATTCTGCCGCAACTCGTCCAAGTCAAGCCTCTGCGACTGCCCTCCAGGATGTCTATAAAATTGG
 CGGCATTGGCACTGTCCCTGTGGCCGAGTGGAACTGGTGTCTCAAACCTGGTATGGTGGTTACCTTT
 GCTCCAGTCAATGTAACAACTGAAGTCAAGTCTGTGGAATGCACCATGAAGCTTTGAGTGAAGCTCTGC
 CTGGGGACAATGTAGGCTTCAACGTAAGAAGCTGTCTGTCAAAGACGTTAGACGTGGCAATGTTGCTGG
 GGACAGCAAAAATGACCCACCAATGGAAGCAGCTGGCTTCACTGCTCAGGTGATTATCTGAACCATCCA
 GGCCAGATCAGTCTGGCTATGCCCTGTTCTGGACTGCCACACGGCCACATAGCATGCAAGTTTGCCG
 AGCTTAAAGAGAAGATCGATCGTCGTTCTGGTAAGAAGCTGGAAGTGGCCCAAAATTTGAAGTCTGG
 TGATGCTGCCATTGTTGACATGGTCCCTGGCAAGCCCATGTGTGTTGAAAAGCTTCTCTGACTACCTCCA
 CTTGGTCTTTTCTGTTCTGTGACATGAGGCAGACAGTTGCTGTGGGTGTATCAAGCCGTGGACAAGA
 AGGCTGCAGGAGCTGGCAAAGTCAACAAGTCTGCCAGAAAGCTCAGAAGGCTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175838

Insert Size: 1389 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_175838.1](#), [NP_787032.1](#)
RefSeq Size: 1737 bp
RefSeq ORF: 1389 bp
Locus ID: 171361
UniProt ID: [P62630](#)
Cytogenetics: 8q31
Gene Summary: member of the EF-1 alpha family that tethers aminoacyl-tRNA to the ribosome during peptide synthesis [RGD, Feb 2006]